

AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): An isolated nucleic acid consisting of a nucleic acid that encodes the human EG-1 polypeptide having the sequence of SEQ ID NO:2.~~comprising a nucleic acid selected from the group consisting of:~~

~~(i) a nucleic acid that specifically hybridizes to a human EG-1 cDNA (coding region of SEQ ID NO:1) or a fragment thereof under stringent conditions and that is of sufficient length that said nucleic acid can uniquely indicate the presence or absence of a human EG-1 total genomic DNA pool, a total cDNA pool or a total mRNA pool sample from an endothelial cell;~~

~~ii) a nucleic acid that encodes a human EG-1 polypeptide (SEQ ID NO:2);~~

~~(iii) a nucleic acid that has the same sequence as a nucleic acid amplified from an endothelial cell mRNA template using PCR primers Primer 1 (SEQ ID NO:7) and Primer 2 (SEQ ID NO:8), or Primer 3 (SEQ ID NO:9) and Primer 4 (SEQ ID NO:10);~~

~~(iv) a DNA encoding an mRNA that, when reverse transcribed, produces a human EG-1 cDNA (coding region of SEQ ID NO:1);~~

~~v) a nucleic having 90 percent or greater sequence identity with a human EG-1 nucleic acid (coding region of SEQ ID NO:1) and encoding a polypeptide, expression of which is upregulated in an epithelial tumor cell;~~

~~(vi) a pair of primers that, when used in a nucleic acid amplification reaction with an endothelial cell mRNA template specifically amplifies a nucleic acid encoding a human EG-1 polypeptide (SEQ ID NO:2).~~

Claim 2 (Canceled).

Claim 3 (Currently Amended): The nucleic acid of claim 1, wherein said nucleic acid has the nucleotide sequence ~~comprises the sequence of the coding region of~~ SEQ ID NO: 1.

Claim 4 (Original): The nucleic acid of claim 1, wherein said nucleic is present in a vector.

Claim 5 (Canceled).

Claim 6 (Currently Amended):      The nucleic acid of claim ~~5~~1, wherein said nucleic acid is labeled with a detectable label,

Claim 7 (Original):      The nucleic acid of claim 6, wherein said detectable label is selected from the group consisting of a magnetic label, a radioactive label, a colorimetric label, and a fluorescent label,

Claims 8-10 (Canceled),

Claim 11 (Currently Amended):      A cell transfected with a nucleic acid of claim ~~14~~14, wherein said nucleic acid ~~encodes~~expresses an EG-1 polypeptide having the amino acid sequence of SEQ ID NO:2.

Claims 12-54 (Canceled),